

EPOXY PUTTY

Product Codes

TP71, TP72, TP75

Packaging listed overleaf

Description

Epoxy Putty is an epoxy resin based mortar suitable for placing using hand tools. The three component product consists of a resin base, hardener and a bag of specially graded fillers. The grading of the filling system enables application thicknesses of 25mm down to a feather edge.

For very absorbent or very dense surfaces the working area may need to be primed using Bondcoat UF giving excellent adhesion to most construction materials. Epoxy Putty is easy to place using hand tools giving concrete bedding and repairs of the highest mechanical properties. The mortar can be used to give support to concrete arises and will act as a high strength support under precast concrete and steel units. Epoxy Putty is resistant to a wide range of chemicals including petroleum products. The mortar is stable to freezing and thawing.

Uses include: Repair of concrete beams, columns, walls and floors in areas where a smooth finish is required

Bedding applications to support precast concrete units, steel stanchions, wooden blocks and baulks, anti-vibration units and other areas where strength of the highest order is required.

Specification Outline

Patching, repairs and bedding support shall be carried out using Epoxy Putty as manufactured by Tecroc Products Ltd. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

Typical Mortar Properties @ 20°C

Compressive Strength

1 Day	3 Day	7 Day
75N/mm ₂	84N/mm ₂	90N/mm ₂

Tensile Strength	16N/mm ₂ @ 7 Days
Flexural Strength	27N/mm ₂ @ 7 Days
Density	1950 kg/m ³
Usable Life	75 minutes
Direct Shear	
Placed on concrete	10.2N/mm ₂ @ 7 Days
Direct Tensile	
Placed on concrete	4.7N/mm ₂ @ 7 Days

Standards

Epoxy Putty has been tested in accordance with the relevant parts of the following standard:
B.S. 6319

Instructions For use

Preparation

Remove laitance and all loose material including dust, oil and grease to achieve a sound substrate. Concrete surfaces should be roughened to produce a mechanical key. Steel surfaces should be free of mill scale and rust. Corroded steel should be cleaned back to bright metal.

Priming

For the majority of works carried out using Epoxy Putty no priming is necessary. For porous or very dense surfaces priming with Bondcoat UF may be required.

Using Bondcoat UF, pour all of the contents of the hardener bottle into the tub containing the resin base and mix until homogeneous. Apply a thin coat of mixed primer to the work area using a stiff bristle brush. If primer is absorbed by a porous substrate, re-prime before applying mortar.

Mixing

Epoxy Putty has 3 pack sizes:

TP75 - 3kg, 3 containers

TP71 - 10kg, 3 containers

TP72 - 32kg, 4 containers

For each pack size all containers must be used to complete the mix. Pour all of the resin and hardener into a clean mixing vessel. Mix with a slow speed high torque drill and Mortar Stirrer until homogeneous. Add the filler slowly whilst continuously mixing. After all filler has been added mix for a further minute. For larger quantities place the mixed resin system into a suitable mixer such as the Mixal or Creteangle. Start to mix and slowly add the filler. When all the filler has been added, mix for a further minute until an even colour is achieved.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

Head Office
Holly Lane Industrial Estate
Atherstone
Warwickshire
CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

Irish Distributor
Construction Chemical Supplies
Unit 219
JFK Road JFK Industrial Est
Dublin 12
Tel: 00 353 1 450 3896
Fax: 00 353 1 450 3298

Web site: www.tecroc.co.uk

E-mail: enquiries@tecroc.co.uk

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Instructions For use

Placing

Place the mixed material onto the prepared surface. Use a clean trowel or other suitable hand tool. Ensure that the applied mortar is worked well into repair edges and any irregularities. Place in layers from a feather edge up to 25mm horizontally and feather edge up to 10mm vertically. Where thicker layers are required, the surface of the under layer should be left with a wood float finish and should be scored. Subsequent primer and mortar layers may be applied as soon as the initial layer is firm enough not to distort under the new work. Finishing may be carried out after initial set using a steel trowel moistened with Solvent.

Placing may be carried out at temperatures between 5°C and 45°C. For placing outside this range contact the Technical Service Department.

Curing

No special curing practice is required.

Cleaning

Solvent should be used to clean tools and mixing equipment before setting of the Bondcoat UF and Epoxy Putty.

Precautions

Health and Safety

Epoxy Putty is a resin based product. Resins and solvents may cause allergic reactions in some people. Use barrier cream on exposed skin and wear gloves and eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately.

Full health and safety data are given in Product Safety Data Sheet.

Fire

Epoxy Putty is classified as non-flammable. Solvent is flammable. Should fire occur extinguish with CO₂ or foam.

Yield

Epoxy Putty packed in:

3kg packs	Yield	1.5 litres of mixed material
10kg packs	Yield	5.0 litres of mixed material
32kg packs	Yield	16.0 litres of mixed material

Storage and Shelf Life

Epoxy Putty will have a storage life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures or high humidity may reduce shelf life.

Packaging and Ordering

Epoxy Putty is supplied in:

3kg packs Product Code TP75

10kg packs Product Code TP71

32kg packs Product Code TP72

Bondcoat UF is supplied in:

0.8kg packs Product Code TM12

4kg packs Product Code TM11

Solvent is supplied in:

5 litre cans Product Code TM02

1 litre cans Product Code TM08

For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

Head Office
Holly Lane Industrial Estate
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Warwickshire
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